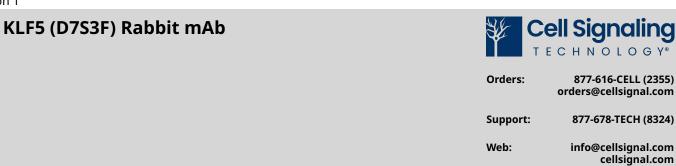
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 60	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q13887	Entrez-Gene Id: 688
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		KLF5 (D7S3F) Rabbit mAb recognizes endogenous levels of total KLF5 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala167 of human KLF5 protein.				
Background		Kruppel-like factors (KLFs) are a family of zinc finger DNA-binding proteins that share homology to Kruppel transcription factor in <i>Drosophila melanogaster</i> (1). These transcription regulators play diverse roles in cell proliferation, differentiation, inflammation, and pluripotency (2). Various KLFs, including KLF5, are involved in cancer-related processes, such as epithelial-mesenchymal transition (EMT), invasion, and metastasis (3-6). In addition, studies show that KLF5 deficiency specific to renal collecting duct epithelial cells impairs cardiac stress adaptation response coordinated by the heart and kidney (7).				
Background Ro	eferences	1. Zhang, H. et al. (2007 2. Tetreault, M.P. et al. ( 3. Limame, R. et al. (201 4. Qin, J. et al. (2015) <i>Na</i> 5. Cho, M.S. et al. (2016 6. David, C.J. et al. (2017) 7. Fujiu, K. et al. (2017)	2013) Nat Rev Can 4) Oncotarget 5, 2 at Commun 6, 847 ) J Immunol 196, 1 5) Cell 164, 1015-30	<i>cer</i> 13, 701-13. 29-48. 1. 412-8. ).		
Species Reacti	vity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications K	ey	W: Western Blotting IP:	Immunoprecipita	tion		
Cross-Reactivity Key		H: Human Mk: Monkey				
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